

WHAT IS CLAIMED IS:

1. A method of deriving a system configuration, comprising:

predicting a response time from issuing of a processing request to end of its processing on the basis of an occurrence frequency of processing requests to computer systems and computer system configurations;

calculating costs of the system configurations on the basis of the system configurations; and

deriving a cheapest system configuration from the system configurations having a probability equal to or lower than B with respect to a given response time A and a probability B given as a probability of processing having a response time equal to or longer than A for all the processing requests.

2. A method of deriving a system configuration, comprising:

predicting a response time from issuing of a processing request to end of its processing on the basis of an occurrence frequency of processing requests to computer systems and computer system configurations;

calculating costs of the system configurations on the basis of the system configurations; and

deriving a cheapest system configuration from the system configurations having a probability equal to or lower than D with respect to a given response time C

and a probability D given as a probability of processing having a response time equal to or longer than C for all the processing requests.

3. A method of deriving a system configuration, comprising:

predicting a response time from computer system configurations;

calculating costs of the system configurations; and

deriving a cheapest system configuration from the system configurations in which a probability having a response time equal to or longer than A is equal to or lower than B with respect to a response time A given as a response time from issuing of a processing request to end of its processing, a probability B given as a probability of processing having a response time equal to longer than A for all the processing requests and an arrival rate E of processing requests of jobs.

4. A method of deriving a system configuration, comprising:

predicting a response time from issuing of a processing request to end of its processing on the basis of an occurrence frequency of processing requests to computer systems and computer system configurations;

calculating costs of the system configurations on the basis of the system configurations;

deriving a cheapest system configuration from

the system configurations having a probability equal to or lower than B with respect to a given response time A and a probability B of processing having a response time equal to or longer than A for all the processing requests; and

changing the system configuration on the basis of said deriving result dynamically.

5. A method of deriving a system configuration according to claim 4, wherein

said dynamical change of the system configuration is made by starting or stopping a preliminary system configuration element.

6. An apparatus for deriving a system configuration, comprising:

means for predicting a response time from issuing of a processing request to end of its processing on the basis of an occurrence frequency of processing requests to computer systems and computer system configurations;

means for calculating costs of the system configurations on the basis of the system configurations; and

means for deriving a cheapest system configuration from the system configurations in which a probability having a response time equal to or longer than A is equal to or lower than B with respect to a given response time A and a probability B given as a probability of processing having a response time equal

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to or longer than A for all the processing requests.